

Innovative Service Around the Globe

DATA SHEET

GAS DISCHARGE TUBES TELEPHONE INTERFACE 3RL075M-5-SS

RoHS compliant & free



YAGEO Circuit Protection

GAS DISCHARGE TUBS

3RL075M-5-SS

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Gas Discharge Tube (GDT) Data Sheet

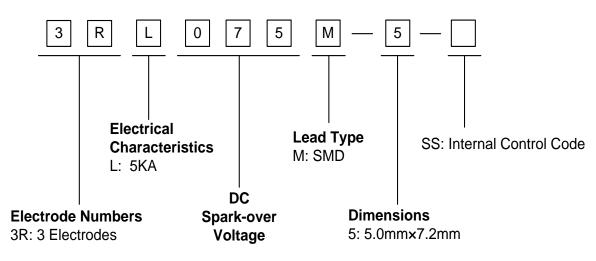
Features

- Provide ultra-fast response to surge voltage from slow-rising surge of 100V/s to rapid-rising surge of 1KV/µs.
- Stable breakdown voltage.
- High insulation resistance.
- Low capacitance (≤2pF)
- High holdover voltage
- Large absorbing transient current capability.
- Micro-Gap Design
- Size: 5.0mm*7.2mm
- Storage and operating temperature: -40°C ~ +85°C
- Meets MSL level 1, per J-STD-020
- Safety certification: UL

Applications

- Repeaters, Modems.
- Telephone Interface, Line cards.
- Data communication equipment.
- Line test equipment

Part Number Code



Marking

B : BrightKing Logo 3RL075-S : Device Marking Code

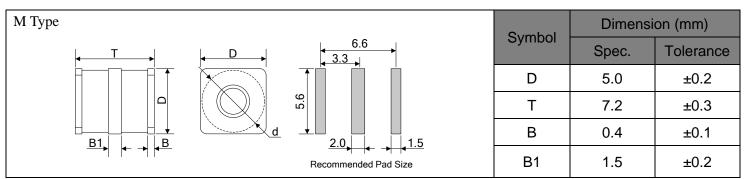
XXXX : Internal Control Code





3RL075M-5-SS

Dimensions



Electrical Characteristics

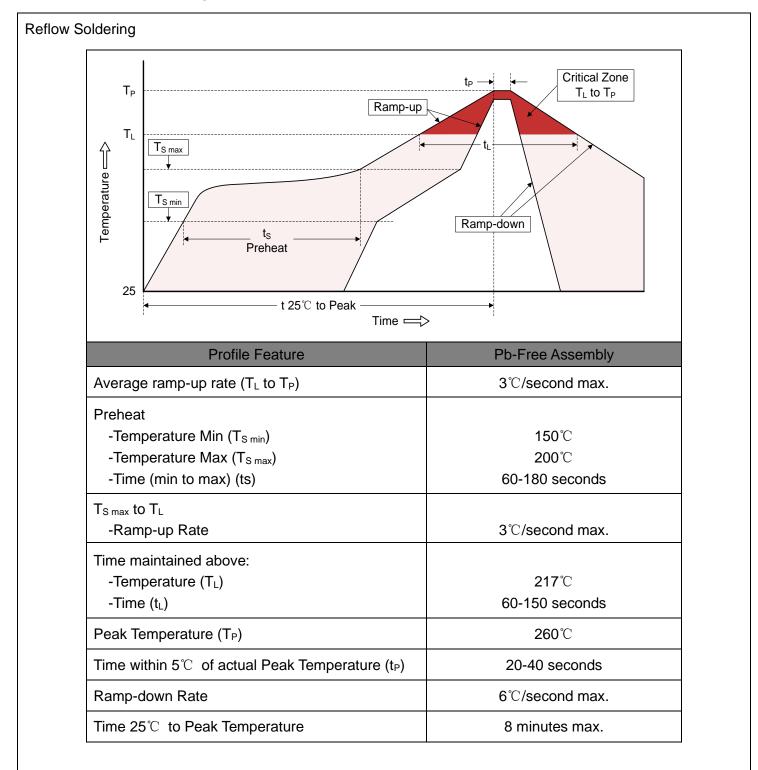
Part Number	DC Spark-over Voltage	Maximum Impulse Spark-over Voltage	Nominal Impulse Discharge Current	Alternating Discharge Current	Impulse Life	Minimum Insulation Resistance		Maximum Capacitance	Device
	100V/s	1000V/µs	8/20µs 10times	50Hz,0.2sec	10/1000µs 100A	Test Voltage	(GΩ)	1MHz	Marking Code
	(∨)	(V)	(KA)	(A)	(times)	DC(V)		(pF)	
3RL075M-5-SS	75±20%	700	5	5	300	25	1.0	2.0	3RL075-S

Electrical Ratings

Items	Test Condition/Description	Requirement
DC Spark-over Voltage	The voltage is measured with voltage ramp dv/dt=100V/s. Test is between each side electrode and center electrode.	
Maximum Impulse Spark-over Voltage	The maximum impulse spark-over voltage is measured with voltage ramp $dv/dt=1000V/\mu s$. Test is between each side electrode and center electrode.	
Impulse Discharge Current	Maximum surge current that can be applied through center electrode with 8/20µs waveform, for 10 times with 3min interval time, which will be equally divided between each side electrode to center electrode.	To meet the specified value
Alternating Discharge Current	Rated RMS value of AC current at 50Hz, 0.2sec. for 10 times with interval time 3 min. Test is between each side electrode and center electrode.	

YAGEO	Circuit Pr	otection	oduct Specification 4	
GAS DISCHARGE TUBS			3RL075M-5-SS	5
Insulation Resistance		The resistance of gas tube shall be measured between each side electrodes and center electrode.		
Capacitance		The capacitance of ga		

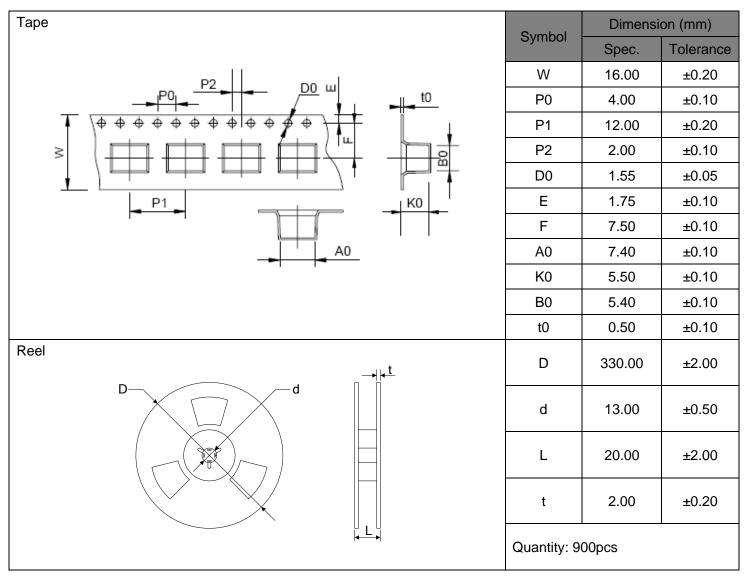
Recommended Soldering Conditions



3RL075M-5-SS

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Packaging



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